

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Jamison *et al.*

Appl. No. (unassigned)

Reissue of 6,332,495

Filed: December 23, 2003

For: Clip On Manifold Heat Exchanger

Art Unit: (unassigned)

Examiner: (unassigned)

Atty. Docket: 02057.0173.REUS00

Preliminary Amendment

Commissioner for Patents
Washington, D.C. 20231

Sir:

Kindly enter the following amendments to the claims:

1 (original). A heat exchanger comprising:

a plurality of stacked plate pairs formed of mating plates having central planar portions and raised peripheral edge portions, said edge portions being joined together in mating plates to define a flow channel between the plates; the plates having offset end flanges, the respective flanges at each end of each plate pair diverging, the flanges having lateral edge portions extending from root areas located at the joined peripheral edge portions, the end flanges also having transverse distal edge portions joined together in back-to-back stacked plate pairs to space the plate pairs apart and form transverse flow passages between the plate pairs; opposed U-shaped channels enclosing the respective end flanges of the plate pairs, the channels having rear walls spaced from the plate end flanges and side walls joined to the flange lateral edge portions and extending inwardly beyond and covering said root areas, the U-shaped channels having open ends; end plates closing the U-shaped channel open ends to form manifolds; and the manifolds defining inlet and outlet openings therein for the flow of fluid through the plate pairs.